

CLAIMS

WHAT IS CLAIMED IS:

1 A lighting box for controlling and directing light from multiple lights, the lighting box for
2 front projection lighting comprising:

a housing having multiple sides and a front;

4 a diffusion element frame;

means connected to the housing for supporting the diffusion element frame proximate the
6 front of the housing, whereby a diffusion element may be mounted on the frame for providing light
diffusion for multiple lights directed thereat;

8 a light mounting element for supporting multiple lights thereon directed at the front of the
housing;

10 a frame assembly comprising means for supporting the light mounting element in the
housing; and

12 means for fixing the means for supporting to the housing.

2. The lighting box of claim 1 wherein a top of the box extends to the front of the box further
2 than the bottom of the box.

3. The lighting box of claim 1 wherein the means for supporting the diffusion element frame
2 comprises means for supporting the diffusion element frame at an angle such that the top of the

diffusion element frame is further to the front of the box than the bottom of the diffusion element

4 frame.

4. The lighting box of claim 1 further comprising means for supporting an additional diffusion element proximate the front of the housing.

5. The lighting box of claim 1 further comprising means for providing access to the light diffusion element for removing and replacing the light diffusion element.

6. The lighting box of claim 1 wherein there are at least four lights mounted on the light mounting element in at least a two by two array.

7. The lighting box of claim 6 wherein two of the lights are positioned above the other two lights and are of higher intensity than the other two lights.

8. The lighting box of claim 1 wherein the bottom of the box further comprises access means for removing and replacing the diffusion element frame.

9. The lighting box of claim 1 further comprising means for connecting the sides of the housing such that they are foldable with respect to each other so as to fold to a planar form.

10. The lighting box of claim 1 having a rectangular cross-section with height and width

2 dimensions of about 4' by 4' to about 4' by 8'.

11. The lighting box of claim 1, wherein two opposite sides of the housing are substantially
2 flat, whereby multiple lighting boxes may be positioned adjacent one another.

12. The lighting box of claim 1 wherein the means for supporting the diffusion element frame
2 comprises means for releasably attaching the diffusion element frame to the housing.

13. The lighting box of claim 1 further comprising means attached to the frame assembly for
2 hanging the box.

14. The lighting box of claim 1 further comprising means attached to the frame assembly
2 proximate four corners thereof for hanging the box.

15. The lighting box of claim 1 further comprising means for mounting the box for rotation
2 around an axis extending through opposite sides of the box.

16. A lighting box for and controlling and directing light from multiple light for front
2 projection lighting, the lighting box comprising:

a housing having four sides, a front and a rear;

4 a rigid frame for mounting the housing;

a light mounting element mounted to the frame for supporting multiple lights; and

6 at least one diffusion element frame mounted to the housing proximate the front of the housing and in front of the light mounting element.

17. The lighting box of claim 16 further comprising multiple nonfocusable lights mounted on the light mounting element to shine light against a diffusion element on the diffusion element frame, whereby the multiple lights provide soft projected diffused light from the lighting box for lighting a stage or set.

18. The lighting box of claim 16 wherein the light mounting element comprises a rod.

19. The lighting box of claim 16 wherein the multiple lights comprise at least a first set of lights and a second set of lights mounted below the first set, and the first set is of higher power than the second set.

20. The lighting box of claim 16 wherein the housing is a collapsible material.

21. The lighting box of claim 16 further comprising means for connecting the diffusion frame to the rigid frame.

22. The lighting box of claim 16 wherein the means for connecting is collapsible.

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23. The lighting box of claim 16 wherein there are at least four lights mounted in the housing on the light mounting element.

24. The lighting box of claim 16 wherein the means for connecting is rigid.

25. A lighting box for directing and controlling light from multiple lights for front projection lighting, the lighting box comprising:

a housing having four sides, a front and a rear;

a rigid frame for mounting to the housing;

at least four lights fixed to the rigid frame; and

a light diffusion element frame for mounting proximate the front of the housing for mounting a light diffusion element and thereby forming a soft, projected and diffused light from the lights when directed at the means for diffusing.

26. The lighting box of claim 25 wherein the multiple lights comprise at least a first set of lights and a second set of lights mounted below the first set, and the first set is of higher power than the second set.

27. The lighting box of claim 25 wherein the housing is a collapsible material.

28. The lighting box of claim 25 further comprising means for connecting the diffusion frame to the rigid frame.

29. The lighting box of claim 28 wherein the means for connecting is collapsible.
30. The lighting box of claim 28 wherein the means for connecting is rigid.
31. The lighting box of claim 25, wherein there is a cover mounted to the rigid frame.
32. The lighting box of claim 16, wherein there is a cover mounted to the rigid frame.
33. The lighting box of claim 16 further comprising means for hanging the box.
34. The lighting box of claim 25 further comprising means for hanging the box.
35. The lighting box of claim 16 further comprising a yoke rotatably connected to the box.
36. The lighting box of claim 25 further comprising a yoke rotatably connected to the box.

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